

09550545_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09550545 on July 31, 2003

10	84/645	(2 OR, 8 XR)
	Class 084 :	MUSIC
	84/1	INSTRUMENTS
	84/600	.Electrical musical tone generation
	84/601	..Data storage
	84/645	...MIDI (musical instrument digital interface)
7	84/478	(1 OR, 6 XR)
	Class 084 :	MUSIC
	84/453	ACCESSORIES
	84/470R	.Teaching devices
	84/477R	..Indicators
	84/478	...For keyboard
6	84/477R	(4 OR, 2 XR)
	Class 084 :	MUSIC
	84/453	ACCESSORIES
	84/470R	.Teaching devices
	84/477R	..Indicators
6	84/609	(2 OR, 4 XR)
	Class 084 :	MUSIC
	84/1	INSTRUMENTS
	84/600	.Electrical musical tone generation
	84/601	..Data storage
	84/602	...Digital memory circuit (e.g., RAM, ROM, etc.)
	84/609Note sequence
5	84/602	(2 OR, 3 XR)
	Class 084 :	MUSIC
	84/1	INSTRUMENTS
	84/600	.Electrical musical tone generation
	84/601	..Data storage
	84/602	...Digital memory circuit (e.g., RAM, ROM, etc.)
5	345/716	(3 OR, 2 XR)
	Class 345 :	COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY SYSTEMS

09550545 CLSTITLES

345/700	OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)
345/716	.On screen video or audio system interface

4	84/603	(2 OR, 2 XR)
	Class	084 : MUSIC
	84/1	INSTRUMENTS
	84/600	.Electrical musical tone generation
	84/601	..Data storage
	84/602	...Digital memory circuit (e.g., RAM, ROM, etc.)
	84/603Sampling (e.g., with A/D conversion)

4	345/723	(2 OR, 2 XR)
	Class	345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY		SYSTEMS
	345/700	OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)
	345/716	.On screen video or audio system interface
	345/723	..For video segment editing or sequencing

4	345/835	(1 OR, 3 XR)
	Class	345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY		SYSTEMS
	345/700	OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)
	345/764	.On-screen workspace or object
	345/810	..Menu or selectable iconic array (e.g., palette)
	345/835	...Selectable iconic array

4	345/839	(0 OR, 4 XR)
	Class	345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY		SYSTEMS
	345/700	OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)
	345/764	.On-screen workspace or object
	345/810	..Menu or selectable iconic array (e.g., palette)
	345/835	...Selectable iconic array
	345/839Imitating real life object

09550545_CLSTITLES

4 345/866 (0 OR, 4 XR)
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
 INTERFACE PROCESSING, AND SELECTIVE VISUAL
 DISPLAY
 SYSTEMS
 345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
 INTERFACE)
 345/866 .Miscellaneous customization or adaptation

4 360/32 (0 OR, 4 XR)
 Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
 RETRIEVAL
 360/32 CONVERTING AN ANALOG SIGNAL TO DIGITAL FORM FO
 R
 RECORDING; REPRODUCING AND RECONVERTING

3 84/462 (2 OR, 1 XR)
 Class 084 : MUSIC
 84/453 ACCESSORIES
 84/461 .Recording devices
 84/462 ..Electric

3 84/600 (1 OR, 2 XR)
 Class 084 : MUSIC
 84/1 INSTRUMENTS
 84/600 .Electrical musical tone generation

3 84/622 (0 OR, 3 XR)
 Class 084 : MUSIC
 84/1 INSTRUMENTS
 84/600 .Electrical musical tone generation
 84/601 ..Data storage
 84/602 ...Digital memory circuit (e.g., RAM, ROM,
 etc.)
 84/622Tone synthesis or timbre control

3 84/634 (0 OR, 3 XR)
 Class 084 : MUSIC
 84/1 INSTRUMENTS
 84/600 .Electrical musical tone generation
 84/601 ..Data storage
 84/602 ...Digital memory circuit (e.g., RAM, ROM,
 etc.)
 84/634Accompaniment

3 84/719 (0 OR, 3 XR)
 Class 084 : MUSIC
 84/1 INSTRUMENTS

09550545 CLSTITLES

84/600 .Electrical musical tone generation
84/671 ..Electric analog oscillators
84/718 ...Constructional details
84/719Keyboard

3 341/155 (2 OR, 1 XR)
Class 341 : CODED DATA GENERATION OR CONVERSION
341/126 ANALOG TO OR FROM DIGITAL CONVERSION
341/155 .Analog to digital conversion

3 345/173 (0 OR, 3 XR)
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY
SYSTEMS
345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE
345/173 .Touch panel

3 345/727 (2 OR, 1 XR)
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY
SYSTEMS
345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)
345/727 .Audio user interface

3 345/733 (0 OR, 3 XR)
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY
SYSTEMS
345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)
345/733 .For plural users or sites (e.g., network)

3 345/764 (1 OR, 2 XR)
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY
SYSTEMS
345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)
345/764 .On-screen workspace or object

3 345/784 (1 OR, 2 XR)
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL

09550545_CLSTITLES

DISPLAY

SYSTEMS

345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)
345/764 .On-screen workspace or object
345/781 ..Window or viewpoint
345/784 ...Window scrolling

3 345/970 (0 OR, 3 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

SYSTEMS

345/961 OPERATOR INTERFACE WITH VISUAL STRUCTURE OR
FUNCTION DICTATED BY INTENDED USE
345/965 .For process control and configuration
345/970 ..Instrumentation and component modelling
(e.g., interactive control panel)

3 710/10 (0 OR, 3 XR)

Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
PROCESSING SYSTEMS: INPUT/OUTPUT

710/1 INPUT/OUTPUT DATA PROCESSING
710/8 .Peripheral configuration
710/10 ..Configuration initialization

3 715/500.1 (1 OR, 2 XR)

Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF
DOCUMENT

715/500.1 SYNCHRONIZATION OF DIVERSE MEDIA

3 984/DIG 1 (0 OR, 3 XR)

Class 984 : MUSICAL INSTRUMENTS

984/DIG 1 PAPER COPIES IN NUMERICAL ORDER OF ALL U.S.
PATENTS IN SUBCLASSES 1-398

2 84/470R (0 OR, 2 XR)

Class 084 : MUSIC

84/453 ACCESSORIES
84/470R .Teaching devices

2 84/484 (1 OR, 1 XR)

Class 084 : MUSIC

84/453 ACCESSORIES
84/470R .Teaching devices
84/477R ..Indicators
84/484 ...For tempo

09550545_CLSTITLES

```

2   84/485R      (0 OR, 2 XR)
      Class 084 : MUSIC
      84/453      ACCESSORIES
      84/470R     .Teaching devices
      84/477R     ..Indicators
      84/485R     ...For fingering

2   84/601       (0 OR, 2 XR)
      Class 084 : MUSIC
      84/1        INSTRUMENTS
      84/600      .Electrical musical tone generation
      84/601      ..Data storage

2   84/610       (0 OR, 2 XR)
      Class 084 : MUSIC
      84/1        INSTRUMENTS
      84/600      .Electrical musical tone generation
      84/601      ..Data storage
      84/602      ...Digital memory circuit (e.g., RAM, ROM,
                  etc.)
      84/609      ....Note sequence
      84/610      .....Accompaniment

2   84/615       (2 OR, 0 XR)
      Class 084 : MUSIC
      84/1        INSTRUMENTS
      84/600      .Electrical musical tone generation
      84/601      ..Data storage
      84/602      ...Digital memory circuit (e.g., RAM, ROM,
                  etc.)
      84/615      ....Selecting circuits

2   84/616       (0 OR, 2 XR)
      Class 084 : MUSIC
      84/1        INSTRUMENTS
      84/600      .Electrical musical tone generation
      84/601      ..Data storage
      84/602      ...Digital memory circuit (e.g., RAM, ROM,
                  etc.)
      84/615      ....Selecting circuits
      84/616      .....Fundamental tone detection or extraction

2   84/619       (0 OR, 2 XR)
      Class 084 : MUSIC
      84/1        INSTRUMENTS
      84/600      .Electrical musical tone generation
      84/601      ..Data storage

```

09550545_CLSTITLES

84/602 ...Digital memory circuit (e.g., RAM, ROM,
 etc.)

84/615 Selecting circuits

84/619 Transposition

2 84/633 (0 OR, 2 XR)

 Class 084 : MUSIC

 84/1 INSTRUMENTS

 84/600 .Electrical musical tone generation

 84/601 ..Data storage

 84/602 ...Digital memory circuit (e.g., RAM, ROM,
 etc.)

 84/626 Expression or special effects (e.g., force
 or velocity responsive, etc.)

 84/633 Loudness control

2 84/646 (0 OR, 2 XR)

 Class 084 : MUSIC

 84/1 INSTRUMENTS

 84/600 .Electrical musical tone generation

 84/646 ..Fret control

2 84/649 (0 OR, 2 XR)

 Class 084 : MUSIC

 84/1 INSTRUMENTS

 84/600 .Electrical musical tone generation

 84/647 ..Digital combinational circuit

 84/649 ...Note sequence

2 84/659 (1 OR, 1 XR)

 Class 084 : MUSIC

 84/1 INSTRUMENTS

 84/600 .Electrical musical tone generation

 84/647 ..Digital combinational circuit

 84/659 ...Tone synthesis or timbre control

2 84/DIG 12 (0 OR, 2 XR)

 Class 084 : MUSIC

 84/DIG 12 Side; rhythm and percussion devices

2 84/DIG 6 (0 OR, 2 XR)

 Class 084 : MUSIC

 84/DIG 6 Cathode-ray tube

2 345/156 (2 OR, 0 XR)

 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
 INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY

09550545_CLSTITLES
SYSTEMS

345/156 DISPLAY PERIPHERAL INTERFACE INPUT DEVICE

2 345/717 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

SYSTEMS

345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)

345/716 .On screen video or audio system interface

345/717 ..Multiple diverse systems

2 345/738 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

SYSTEMS

345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)

345/733 .For plural users or sites (e.g., network)

345/738 ..Network resource browsing or navigating

2 345/810 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

SYSTEMS

345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)

345/764 .On-screen workspace or object

345/810 ..Menu or selectable iconic array (e.g.,
palette)

2 345/841 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

SYSTEMS

345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)

345/764 .On-screen workspace or object

345/810 ..Menu or selectable iconic array (e.g.,
palette)

345/841 ...Sub-menu structure

2 345/846 (2 OR, 0 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR

09550545 CLSTITLES
INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

SYSTEMS

345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)
345/764 .On-screen workspace or object
345/846 ..Non-array icons

2 345/854 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

SYSTEMS

345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER
INTERFACE)
345/764 .On-screen workspace or object
345/853 ..Hierarchy or network structure
345/854 ...Navigation within structure

2 345/978 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR
INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

SYSTEMS

345/978 AUDIO INTERACTION AS PART OF AN OPERATOR
INTERFACE

2 379/100.01 (0 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE
ELECTRICAL SYSTEM OR SIGNALLING (E.G., COM

POSITE)

379/100.01 .To produce visual-graphic copy (e.g.,
facsimile)

2 379/85 (0 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS
379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

379/68 .Dynamic audio signal recording or reproductio

n

379/85 ..Recording of telephone signal during normal
operation

2 379/93.17 (0 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS
379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE

09550545 CLSTITLES

ELECTRICAL SYSTEM OR SIGNALLING (E.G., CO

MPOSITE)

379/93.01 .Having transmission of a digital message
signal over a telephone line
379/93.17 ..Having station display

2 379/93.19 (0 OR, 2 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE
ELECTRICAL SYSTEM OR SIGNALLING (E.G., C

OMPOSITE)

379/93.01 .Having transmission of a digital message
signal over a telephone line
379/93.17 ..Having station display
379/93.19 ...Having pressure or position sensitive
surface (e.g., touch-screen, light pen)

2 381/118 (0 OR, 2 XR)

Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES

381/118 WITH MUSICAL INSTRUMENT

2 414/5 (0 OR, 2 XR)

Class 414 : MATERIAL OR ARTICLE HANDLING

414/1 ARTICLE MANIPULATOR MOVES ANALOGOUS WITH HUMAN
HAND, FINGER, OR ARM MOVEMENT

414/4 .Electric or fluid motor drive for manipulator

414/5 ..Having means to transmit feedback signal fro

m

manipulator means to hand, finger, or arm

2 434/169 (0 OR, 2 XR)

Class 434 : EDUCATION AND DEMONSTRATION

434/156 LANGUAGE

434/167 .Spelling, phonics, word recognition, or
sentence formation

434/169 ..Electrical component included in teaching
means

2 434/308 (0 OR, 2 XR)

Class 434 : EDUCATION AND DEMONSTRATION

434/308 AUDIO RECORDING AND VISUAL MEANS

2 434/317 (2 OR, 0 XR)

Class 434 : EDUCATION AND DEMONSTRATION

434/308 AUDIO RECORDING AND VISUAL MEANS

434/317 .Visual information in book form

09550545_CLSTITLES

2 434/362 (0 OR, 2 XR)
 Class 434 : EDUCATION AND DEMONSTRATION
 434/322 QUESTION OR PROBLEM ELICITING RESPONSE
 434/362 .Electrical means for recording examinee's
 response

2 700/83 (0 OR, 2 XR)
 Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
 SPECIFIC APPLICATIONS
 700/1 GENERIC CONTROL SYSTEM, APPARATUS OR PROCESS
 700/83 .Having operator control interface (e.g.,
 control/display console)

2 704/251 (0 OR, 2 XR)
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
 COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/231 .Recognition
 704/251 ..Word recognition

2 709/100 (1 OR, 1 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
 RDINATING
 709/100 TASK MANAGEMENT OR CONTROL

2 710/14 (0 OR, 2 XR)
 Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
 PROCESSING SYSTEMS: INPUT/OUTPUT
 710/1 INPUT/OUTPUT DATA PROCESSING
 710/8 .Peripheral configuration
 710/14 ..Mode selection

2 710/62 (1 OR, 1 XR)
 Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
 PROCESSING SYSTEMS: INPUT/OUTPUT
 710/1 INPUT/OUTPUT DATA PROCESSING
 710/62 .Peripheral adapting

2 710/72 (0 OR, 2 XR)
 Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
 PROCESSING SYSTEMS: INPUT/OUTPUT
 710/1 INPUT/OUTPUT DATA PROCESSING
 710/62 .Peripheral adapting
 710/72 ..Application-specific peripheral adapting

09550545_CLSTITLES

2 713/1 (1 OR, 1 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/1 DIGITAL DATA PROCESSING SYSTEM INITIALIZATION
OR CONFIGURATION (E.G., INITIALIZING, SET U
P,
CONFIGURATION, OR RESETTING)

2 713/300 (0 OR, 2 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/300 COMPUTER POWER CONTROL

2 713/320 (1 OR, 1 XR)
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: SUPPORT
713/300 COMPUTER POWER CONTROL
713/320 .Power conservation